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☐ 1. Document ID: US 6610762 B1

AB: An adhesive composition which is switchable under irradiation to change from a tacky to a less tacky state which includes a switchable polymer. The polymer comprises a backbone polymeric moiety bound to a plurality of curable moieties, each of which comprises a free-radically active group and has an amine functionality. Also, the switchable polymer, processes for producing such polymers and compositions, and switchable adhesive articles comprising the adhesive compositions, such as light-switchable pressure sensitive adhesive dressings, and methods of using such articles.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 2. Document ID: US 6329465 B1

AB: The present invention is intended to obtain an ethylene copolymer composition having excellent transparency, mechanical strength and moldability. The ethylene copolymer composition comprises an ethylene/.alpha.-olefin copolymer and high-pressure radical process low-density polyethylene. The ethylene/.alpha.-olefin copolymer is a copolymer of ethylene and an .alpha.-olefin of 6 to 8 carbon atoms and has the following properties: the melt tension (MT) and the melt flow rate (MFR) satisfy the relation 9.0.times.MFR.sup.-0.65 >MT>2.2.times.MFR.sup.-0.84 ; the activation energy ((E.sub.a).times.10.sup.-4 J/molK) of flow, the carbon atom number (C) of the .alpha.-olefin in the copolymer and the .alpha.-olefin content (x mol %) in the copolymer satisfy the relation (0.039Ln(C-2)+0.0096).times.x+2.87<Ea.times.10.sup.-4.ltoreq.(0.039Ln(C-2)+0.1660).times.x+2.87; and the haze of an inflation film produced from said copolymer satisfies a specific relation. This ethylene copolymer composition can be used for producing molded products such as films, sheets, packaging materials, injection molded products, expansion molded products and fibers. These molded products are excellent in mechanical strength, heat resistance or transparency.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 3. Document ID: US 6184264 B1

AB: There are described novel adhesives, which are capable of being "switched" form a tack to a non-tacky state. Such switchable adhesives are especially advantageous when used in medical dressings, and therefore, novel medical dressings comprising a switchable adhesive layer, a removable light occlusive layer and an intermediate transparent or translucent layer are also described.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

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☐ 4. Document ID: US 4670012 A

AB: The invention is an improved attachment strap for a large diaper or adult incontinent pad. It consists of an accordion pleated length of material, preferably a nonwoven fabric, with one end permanently attached to the diaper body. The final pleat at the opposite end is terminated by a length of peelable pressure sensitive tape which overhangs each edge of the pleat. The medially oriented overhang is relatively narrow while the laterally oriented overhang, which ultimately serves as an attachment tab, is relatively wider. When in stored position, the two overhanging portions hold the folded tape compactly against the back face of the diaper where they do not interfere with manufacturing or packaging operations. The peelable attachment tape has an adhesive coating that is relatively high in shear strength but modest in peel strength. These characteristics are chosen so that the tape can be peeled off without tearing the diaper backing sheet. The diaper can be removed for inspection and then be reused, if unsoiled, without damage to the backing sheet.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 1. Document ID: US 6632403 B1

AB: A forensic evidence container includes a first flexible panel, the first flexible panel including a material having a moisture vapor transmission rate of at least 10 gm/24 hours-100 square inches; a second flexible panel, the second flexible panel including a material having a moisture vapor transmission rate of equal to or less than 5 gm/24 hours-100 square inches; an opening capable of providing access to the interior of the forensic evidence container; an adhesive, applied to the first panel or second panel, having a free surface so arranged as to seal the opening on superposition of the first panel and the second panel; and a tamper evident device arranged on the first or second panel. A peelable flexible third panel, including a material having a moisture vapor transmission rate of equal to or less than 5 gm/24 hours-100 square inches, can optionally be peelably adhered to the first flexible panel.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 2. Document ID: US 6622864 B1

AB: A moisture resistant package for storing and transporting sterile items, such as specimens of human or animal tissue, comprises an inner tray that fits within a moisture resistant outer tray. The inner tray has a cavity for storing the specimen. The specimen is enclosed within the cavity by a non-porous inner lid that is sealed to the inner tray by an adhesive to create a moisture and microbial contaminant resistant environment that prevents moisture uptake into the specimen. The inner tray is enclosed within a complementary shaped cavity of the outer tray by an outer lid sealed to the outer tray to complete the assembly of the package. Thereafter, the package is terminally sterilized (using gas or radiation) so that the inner tray can be introduced into a sterile environment when it is removed from the outer tray. In a preferred embodiment, the inner lid includes at least one through hole to reduce the pressure differential that may occur between the outer tray cavity and the inner tray cavity, which differential may otherwise case premature lifting and separation of the inner lid from the inner tray. In addition, the outer tray and the inner tray may be formed of a sheet of transparent thermoplastic material, such as glycerol modified polyethylene terephthalate so that the specimen can be viewed without opening the package. Preferably, the sheet of material for the inner tray and the outer tray is laminated with a film of moisture barrier material and is deep drawn into a three dimensional die, while substantially maintaining the moisture barrier integrity of the trays.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
Draw Desc | Image

☐ 3. Document ID: US 6610762 B1

AB: An adhesive composition which is switchable under irradiation to change from a tacky to a less tacky state which includes a switchable polymer. The polymer comprises a backbone polymeric moiety bound to a plurality of curable moieties, each of which comprises a free-radically active group and has an amine functionality. Also, the switchable polymer, processes for producing such polymers and compositions, and switchable adhesive articles comprising the adhesive compositions, such as light-switchable pressure sensitive adhesive dressings, and methods of using such articles.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 4. Document ID: US 6561378 B1

AB: A tissue container having a plurality of walls and a lower surface is capable of dispensing tissues to users. The container may resist unwanted movement when placed upon a flat surface due in part to a non-skid friction enhancement device that is affixed to the lower surface of the container. The tissue container also may be removably affixed to an object or surface by way of adhesive, such that the container resists movement when a tissue is pulled from the container. The container may have an adhesive on its lower surface, such that the adhesive is exposed by removing a protective covering or layer from the adhesive.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 5. Document ID: US 6547468 B2

AB: A dosing reservoir for distributing an active compound in controlled amounts onto a target surface comprising a first impermeable layer and a second permeable layer facing and affixed to the first layer. A fluid tight cell with a frangible seal and containing an active compound is disposed between the first and second layers. When the frangible seal is ruptured, the active compound is released from the cell and is controllably released from the reservoir through the permeable layer.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 6. Document ID: US 6428900 B1

AB: A water-sensitive hot melt adhesive composition based on sulfonated branched copolyester polymers for use with articles such as paper products, disposable nonwoven products, tapes, labels and packaging materials. The adhesive composition includes about 10% to about 90%, by weight, of a sulfonated polyester copolymer or a blend of one or more sulfonated polyester polymers; about 0% to about 80%, by weight, of a tackifying resin; about 0% to about 40%, by weight, of a compatible plasticizer; about 5% to about 50% by weight of a polyethylene glycol having a molecular weight greater than 2000 and a melting point greater than 50.degree. C; and about 0% to about 3% by weight of one or more antioxidant. The adhesive maintains the article in an assembled condition by providing adequate adhesive bond strength during normal use, but dissolves in the presence of water thereby permitting the article to be recycled or otherwise disposed of in an environmentally friendly manner.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
Draw Desc | Image

☐ 7. Document ID: US 6184264 B1

AB: There are described novel adhesives, which are capable of being "switched" form a tack to a non-tacky state. Such switchable adhesives are especially advantageous when used in medical dressings, and therefore, novel medical dressings comprising a switchable adhesive layer, a removable light occlusive layer and an intermediate transparent or translucent layer are also described.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 8. Document ID: US 6034168 A

AB: A water sensitive hot melt adhesive composition based on polyalkyleneimine copolymers for use with articles such as paper products, disposable nonwoven products, tapes, labels and packaging materials. By varying the amount of copolymer included in the composition as well as by varying the chain structure and the ratio of soluble versus insoluble repeating units in the copolymer, an adhesive may be formulated to modify the degree of solubility from 100% to 0% soluble in water and/or other performance characteristics. The adhesive composition includes about 10% to about 70%, by weight, of a polyalkyleneimine copolymer or a blend of one or more polyalkyleneimine copolymers; about 0% to about 70%, by weight, of a tackifying resin; about 10% to about 70%, by weight, of a compatible plasticizer; and about 0.1% to about 3% by weight of one or more antioxidant. The adhesive maintains the article in an assembled condition by providing adequate adhesive bond strength during normal use, but dissolves in the presence of water thereby permitting the article to be recycled or otherwise disposed of in an environmentally friendly manner.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 9. Document ID: US 5895075 A

AB: A security label has a bar code on the outer surface of an outer layer which is permanently bonded to an inner layer. A pull tab defined in the material of the outer and second layers is joined to a detachable portion extending across the length of the label whereby removal of the pull tab will tear out the detachable portion to prevent recognition of the optically readable pattern.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 10. Document ID: US 5874157 A

AB: An embossed paper laminate having two laminae is provided. The laminae are joined such that there is at least one zone of the laminate wherein the peel strength of the laminate in that zone is greater than the peel strength of the laminate in other zones of the laminated paper product. The laminate is made by two close tolerance pattern rolls juxtaposed to form a nip. Each pattern roll has radially extending protuberances which contact the periphery of the other pattern roll intermediate its protuberances. The laminae are fed through the nip in face-to-face relationship and are embossed and adhesively joined to the other lamina by the radially extending protuberances. The laminating adhesive is supplied to the various zones of the laminated paper product at a level that is appropriate for providing the requisite peel strength for that zone.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 11. Document ID: US 5474637 A

AB: A machine for making bags or pouches for transporting animal organs for transplantation. The invention machine is small and light weight, and completely sterilizable for use in this environment. The invention also includes additional features of a special corona treatment for the films forming the laminates from which the pouches are made, and heat seals added to the finished pouches to facilitate tearing open of the pouch in a proper manner even in the event of delamination of one of the films.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 12. Document ID: US 5458730 A

AB: A machine for making bags or pouches for transporting animal organs for transplantation. The invention machine is small and light weight, and completely sterilizable for use in this environment. The invention also includes additional features of a special corona treatment for the films forming the laminates from which the pouches are made, and heat seals added to the finished pouches to facilitate tearing open of the pouch in a proper manner even in the event of delamination of one of the films.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 13. Document ID: US 5253754 A

AB: A package for transporting an organ is formed from a plastic laminate. The laminate includes an inner layer of a fluorinated polyethylenepropylene copolymer and an outer layer of a polyimide. The laminates are heat sealed together around the perimeter to form a closed pouch. The thickness of the inner and outer layers of the laminate and the bond strength between the layers of the laminate are tailored to produce a peelable seal. Upon peeling the laminated sheets apart, the heat seal will tear along the edge of the seal and the inner layer will delaminate from the outer layer.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 14. Document ID: US 5227169 A

AB: Skin permeation enhancer compositions are provided which increase the permeability of skin to transdermally administered pharmacologically active agents. The compositions contain a sorbitan ester in addition to the selected pharmacologically active agent, and may also contain a C.sub.1 -C.sub.4 aliphatic alcohol. Methods and transdermal drug delivery systems for using the compositions are also provided.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 15. Document ID: US 5039652 A

AB: A postal card or mailer construction comprising a cover sheet adhered to a base sheet is provided which is simple to manufacture and print by automated systems and which is capable of providing hidden confidential information to an addressee. Upon receipt, the addressee can readily peel back the cover sheet and read the confidential information. Through the use of a releasable adhesive, once delaminated, all surfaces of the postal card construction have nontacky surfaces, permitting easy handling and storage by the recipient. The construction includes a base sheet, a cover sheet overlying the base sheet, and a releasable adhesive securing a first surface of the cover sheet to a first surface of the base sheet such that the cover sheet and base sheet are readily separable. The releasable adhesive contains therein a first color former composition which, when exposed to a second color developer composition, forms a distinctive color. At least oen of the first and second compositions are contained in a plurality of capsules which rupture upon the application of an impact force on the cover sheet. When an imaging force is applied to the cover sheet, the capsules of the first composition are ruptured, mix with the second composition on the surface of the base sheet, and form a distinctive color to duplicate the information from the imaging force.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 16. Document ID: US 4767119 A

AB: A convenient, foldable game board for holding game cards for Bingo and similar games, wherein the cards are temporarily adhered to the board and can be peeled off and removed or replaced by the player. Various means are disclosed for peelably adhering the cards to the board. These include tacky substances applied to the board or applied to the cards, non-tacky liquid substances which migrate to the surface of the board to provide temporary adhesion and non-tacky latently adhesive coacting material pairs.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 17. Document ID: US 4684558 A

AB: A solid sheet of adhesive hydrophilic gel which is a homogeneous aqueous mixture, substantially free of unbound water, monomers and crosslinking agents, consisting essentially of an amount dispersed uniformly in water of from about 4 to 35 wt % of a crosslinked polyethylene oxide, effective to form with the water a tacky surfaced viscoelastic solid which sheet of hydrophilic gel is produced by subjecting a liquid film of an aqueous solution having a viscosity of about 2-2,000.times.10.sup.3 cps of a linear water soluble polyethylene oxide having a weight average molecular weight from about 0.02-6.times.10.sup.6 Daltons to an amount of high energy radiation effective to convert the liquid film to a sheet of the viscoelastic solid having an adhesive face.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 18. Document ID: US 4618151 A

AB: A convenient, foldable game board for holding game cards for Bingo and similar games, wherein the cards are temporarily adhered to the board and can be peeled off and removed or replaced by the player. Various means are disclosed for peelably adhering the cards to the board. These include tacky substances applied to the board or applied to the cards, non-tacky liquid substances which migrate to the surface of the board to provide temporary adhesion and non-tacky latently adhesive coacting material pairs.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 19. Document ID: US 4600001 A

AB: A wound dressing and delivery means laminate composite is described comprising contiguously oriented and coplanary arranged discrete layers. A centrally-disposed wound dressing layer is in separable and releasable contiguous adhesive contact through an adhesive surface with an adjacent non-adhesive surface of a release liner layer. A non-adhesive surface of the wound dressing layer is further in separable and releasable contiguous heat lamination contact with an adjacent second non-adhesive surface of a delivery means layer. In using, the release liner layer is first peelably separated from the adhesive surface of the centrally disposed wound dressing layer with which it is in releasable adhesive contact. Next, the remaining adherent wound dressing layer and delivery means layer of the wound dressing composite are positioned over the wound application site and applied to said site by contact adhesion. Finally, the delivery means layer is peelably separated from the adjacently contiguous adhering surface of the wound dressing layer.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 20. Document ID: US 4210144 A

AB: An improved disposable diaper of the type having a relatively high elongation to tensile force property, an absorbent pad, and tape-tab fasteners coated with a peelable adhesive. The backsheet is reinforced by coating the mother's bond region thereof with a material having high tensile strength and a low elongation to tensile force property relative to the backsheet material. The coating may be continuous or patterned and may be disposed on either the outwardly facing surface or the inwardly facing surface of the mother's bond region of the backsheet. When applied to the inwardly facing surface, the coating material may be adhesive material and may secure the backsheet to the pad assembly of the diaper. The reinforcement of the backsheet improves the resistance of the backsheet to stretching and tearing when subjected to tensile forces during fastening and wearing, and to peeling forces when the tape-tab fasteners are being peeled open. Thus, the fasteners are refastenable.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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Search History

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L5	L4 and (peel adj strength)	2857	L5
L4	paper	391394	L4
L3	L1 and peelable	2	L3
L2	L1 and (peel adj strenght)	0	L2
L1	multi adj layer adj paper	113	L1

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Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L9

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Search History

DATE: Thursday, October 30, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=OR			
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L8	L6 and tissue	20	L8
L7	L6 and N/m	4	L7
L6	L5 and peelable	214	L6
L5	L4 and (peel adj strength)	2857	L5
L4	paper	391394	L4
L3	L1 and peelable	2	L3
L2	L1 and (peel adj strenght)	0	L2
L1	multi adj layer adj paper	113	L1

END OF SEARCH HISTORY

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☐ 1. Document ID: US 6610762 B1

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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